09751772 .062501

FIG. 1

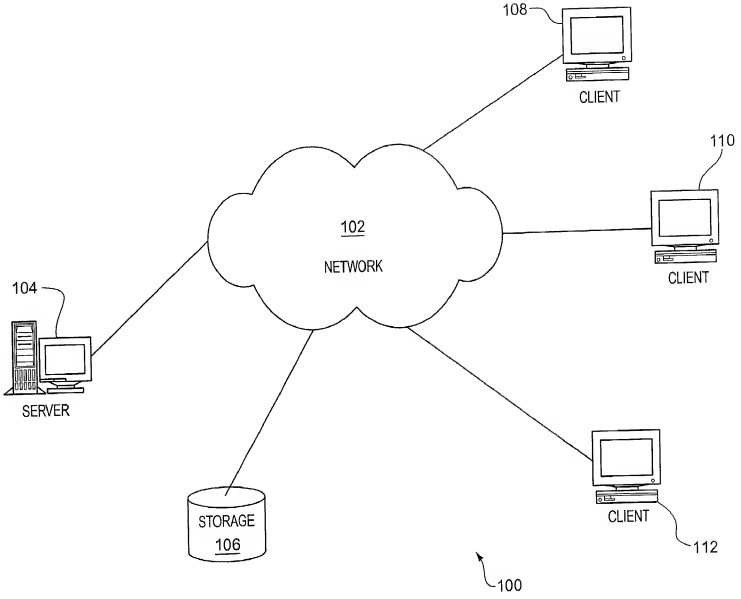

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FIG. 2

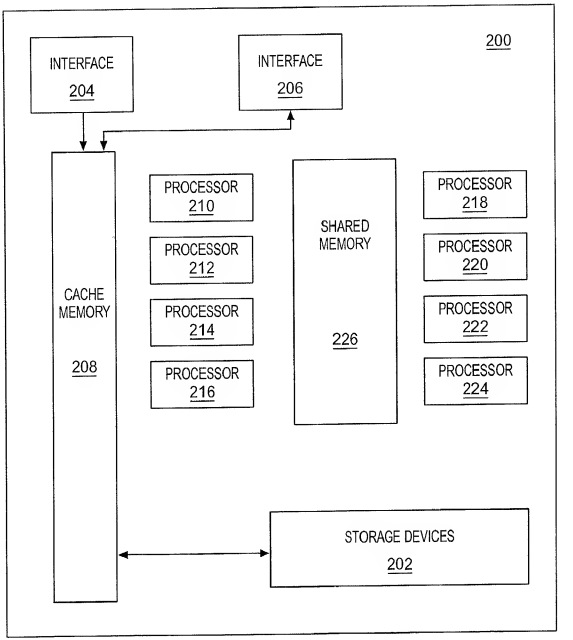

FIG. 3

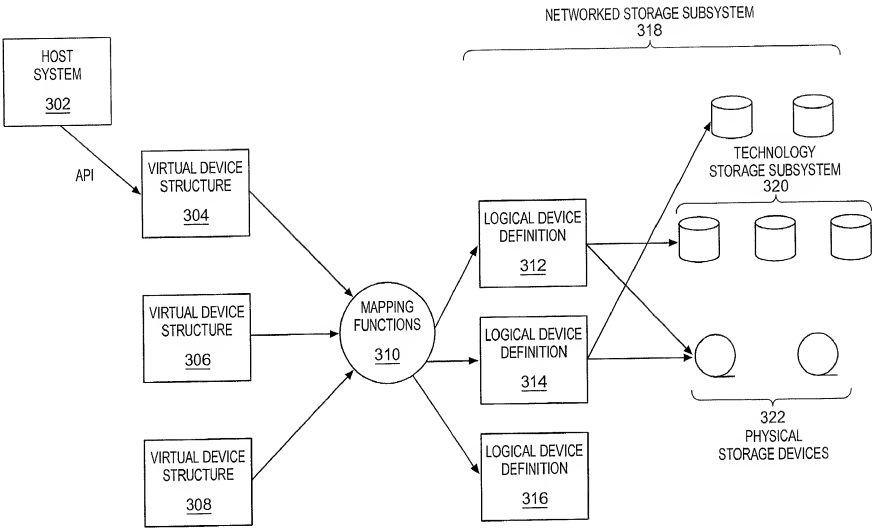
NETWORKED STORAGE SUBSYSTEM
318
HOST SYSTEM
302
API
VIRTUAL DEVICE STRUCTURE
304
VIRTUAL DEVICE STRUCTURE
306
VIRTUAL DEVICE STRUCTURE
308
MAPPING FUNCTIONS
310
LOGICAL DEVICE DEFINITION
312
LOGICAL DEVICE DEFINITION
314
LOGICAL DEVICE DEFINITION
316
TECHNOLOGY STORAGE SUBSYSTEM
320
322
PHYSICAL STORAGE DEVICES

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FIG. 4

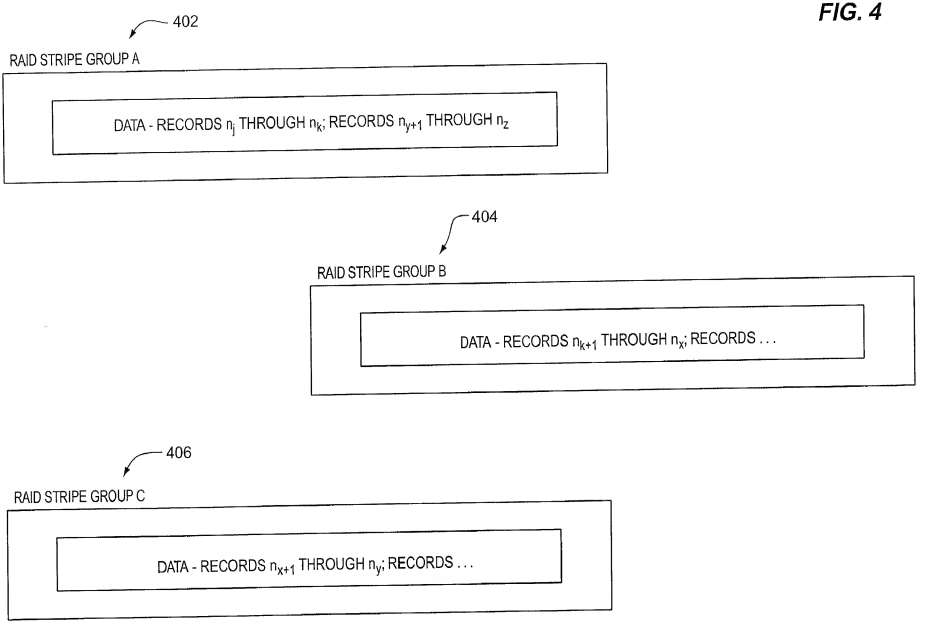

FIG. 5

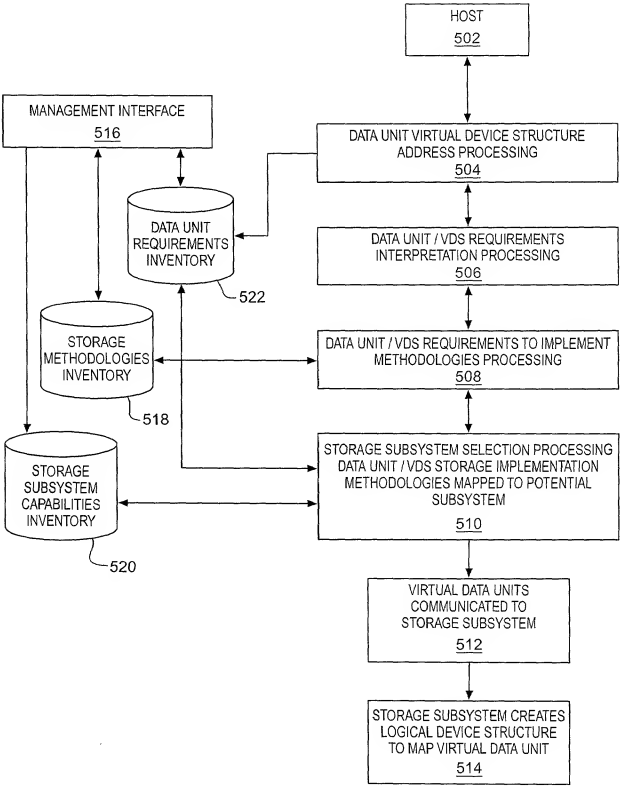

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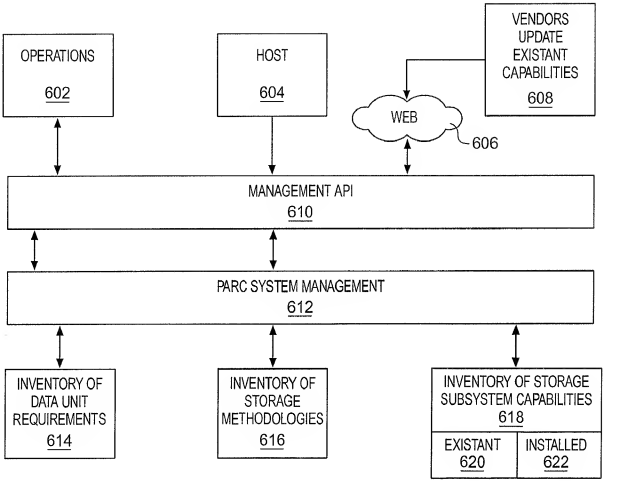
FIG. 6



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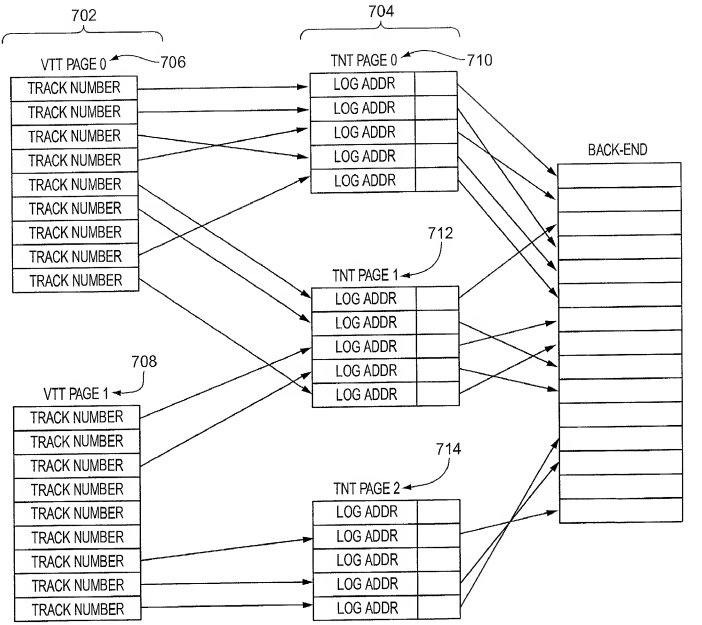

FIG. 7

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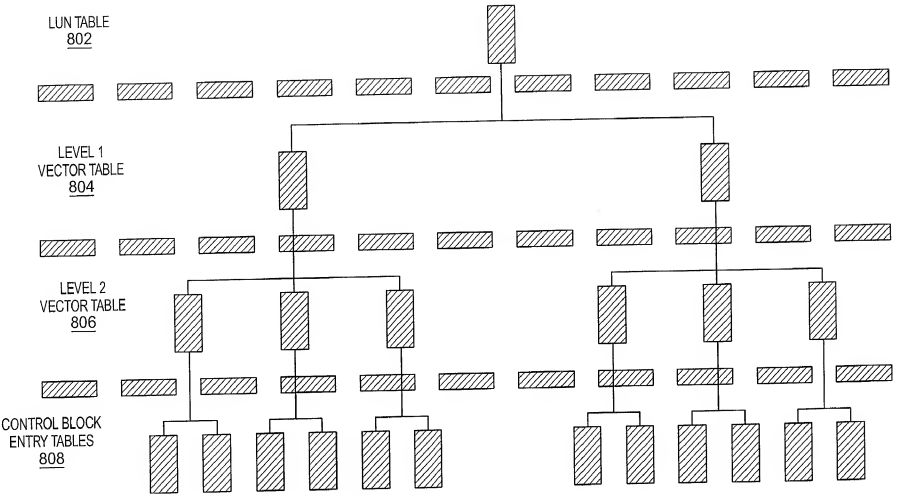

FIG. 8

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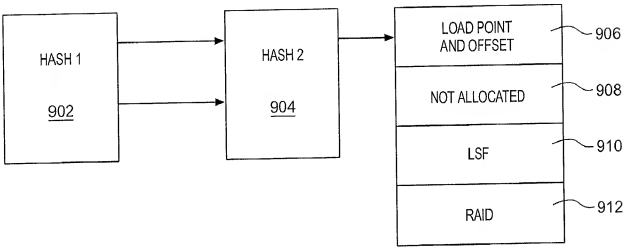

FIG. 9

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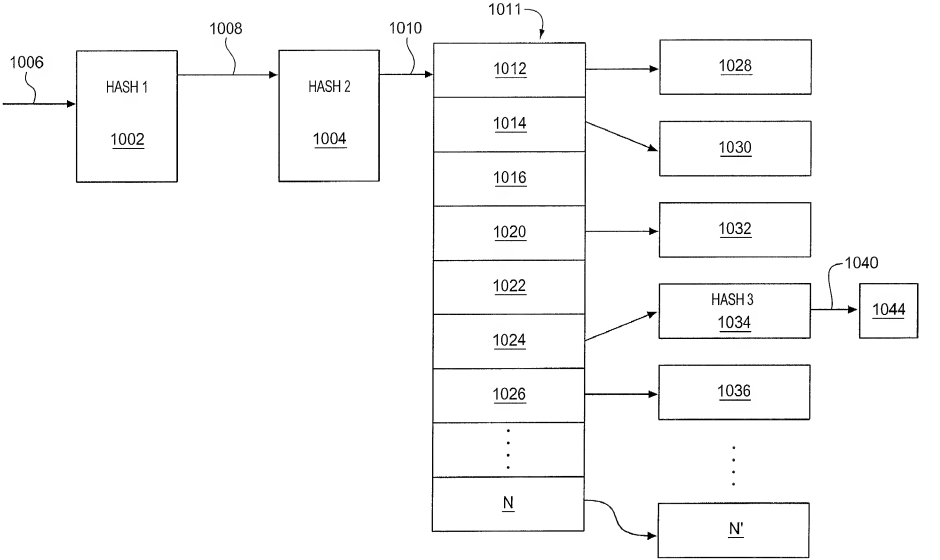

FIG. 10

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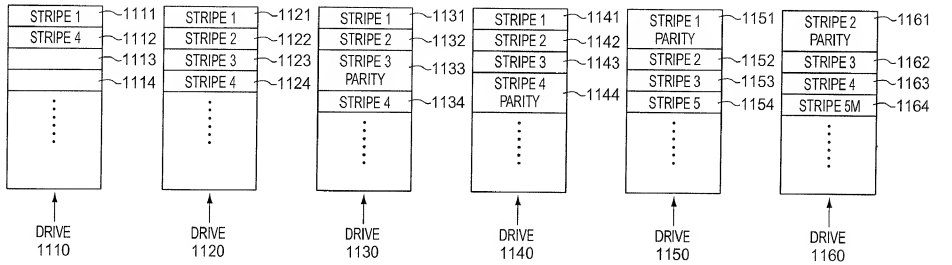

FIG. 11

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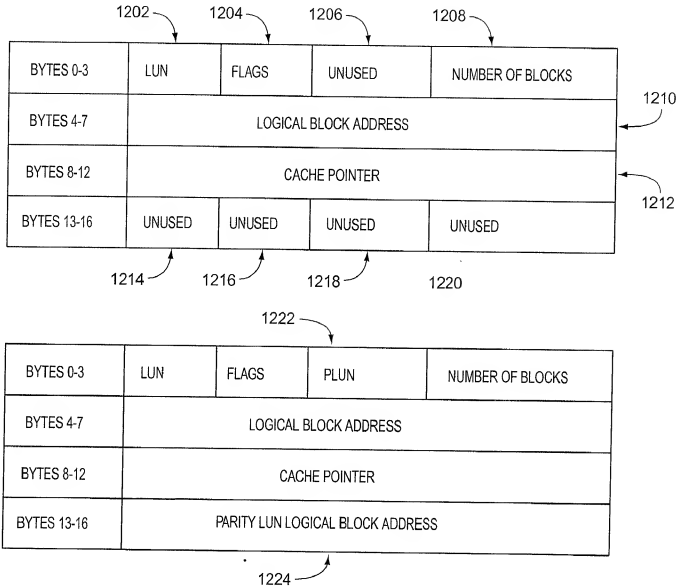
FIG. 12



US 8,090,977 B2

FIG. 13

TIMESTAMP			
LBA OF PREVIOUS STRIPE			
PREVIOUS STRIPE LUN	INDEX OF PARITY DRIVE	RAID TYPE OF STRIPE	# OF STRIPS IN STRIP
STRIP SIZE IN BLOCKS			
1st LUN IN STRIPE	ACTIVE COUNT	# OF HOST PIECES IN STRIP	UNUSED
LBA OF DATA ON 1st LUN			
2nd LUN IN STRIPE	ACTIVE COUNT	# OF HOST PIECES IN STRIP	UNUSED
LBA OF DATA ON 2nd LUN			
Nth LUN IN STRIPE	ACTIVE COUNT	# OF HOST PIECES IN STRIP	UNUSED
LBA OF DATA ON Nth LUN			
HOST LUN	LENGTH IN STRIP	HOST LENGTH	
HOST LBA			
HOST LUN	LENGTH IN STRIP	HOST LENGTH	
HOST LBA			

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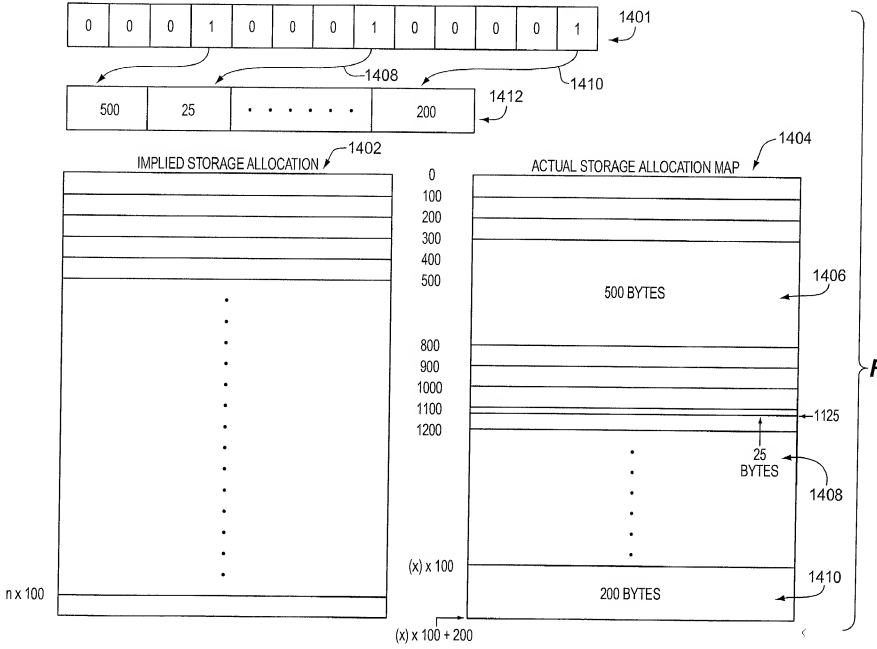

FIG. 14